

WHAT IS CLAIMED IS:

1. A method for forming a liquid crystal display comprising:

providing a liquid crystal display substrate; and

forming a light-shielding film for a display on the liquid crystal display substrate by coating the liquid crystal display substrate with a coating liquid containing a binder and fine metal particles dispersed in the binder, followed by drying.

2. A method for forming a liquid crystal display according to claim 1, wherein the fine metal particles in the coating liquid are dispersed with a dispersant.

3. A method for forming a liquid crystal display according to claim 2, wherein the dispersant includes at least one of a surfactant and a polymer.

4. A method for forming a liquid crystal display according to claim 3, wherein the amount of the surfactant used is 0.01 to 30% by weight relative to the fine metal particles.

5. A method for forming a liquid crystal display according to claim 3, wherein the amount of the surfactant used is 0.1 to 20% by weight relative to the fine metal particles.

6. A method for forming a liquid crystal display

according to claim 3, wherein the amount of the polymer used is 0.01 to 30% by weight relative to the fine metal particles.

7. A method for forming a liquid crystal display according to claim 3, wherein the amount of the polymer used is 0.1 to 20% by weight relative to the fine metal particles.

8. A method for forming a liquid crystal display according to claim 1, wherein the fine metal particles are fine particles of nickel, silver, gold, platinum, copper or an alloy thereof.

9. A method for forming a liquid crystal display according to claim 1, wherein the fine metal particles are fine silver particles.

10. A method for forming a liquid crystal display according to claim 1, wherein the average particle diameter of the fine metal particles is 1 to 3000 nm.

11. A method for forming a liquid crystal display according to claim 1, wherein the average particle diameter of the fine metal particles is 10 to 250 nm.

12. A method for forming a liquid crystal display according to claim 1, wherein the liquid crystal display substrate is coated with the coating liquid containing the binder and the fine metal particles by a spin coat method, a curtain coat method, or an extrusion method.

13. A method for forming a liquid crystal display according to claim 1, wherein a protective layer is disposed on the light-shielding film for a display, and exposing the protective layer to light.

14. A method for forming a liquid crystal display comprising:

providing a liquid crystal display substrate; and

forming a light-shielding film for a display on the liquid crystal display substrate by coating the liquid crystal display substrate with a coating liquid containing a binder, fine metal particles dispersed in the binder and a dispersant, followed by drying.

15. A method for forming a liquid crystal display according to claim 14, wherein the dispersant includes at least one of a surfactant and a polymer.

16. A method for forming a liquid crystal display according to claim 15, wherein the amount of the surfactant used is 0.01 to 30% by weight relative to the fine metal particles.

17. A method for forming a liquid crystal display according to claim 14, wherein the amount of the polymer used is 0.01 to 30% by weight relative to the fine metal particles.

18. A method for forming a liquid crystal display according to claim 14, wherein the fine metal particles are

fine silver particles.

19. A method for forming a liquid crystal display comprising:

providing a liquid crystal display substrate; and

forming a light-shielding film for a display on the liquid crystal display substrate by coating the liquid crystal display substrate with a coating liquid containing a binder, fine metal particles dispersed in the binder and a dispersant, drying an obtained layer, forming a protective layer on the obtained layer, and exposing the protective layer to light.

20. A method for forming a liquid crystal display according to claim 19, wherein the fine metal particles are fine silver particles.